

# PALCAM Supplement (Difco)



- For in vitro use only -

## Catalogue No.

LP09-10 PALCAM Supplement (Difco) [10-mL / 5-L] (Lyophilized)

A selective supplement used for the isolation of *Listeria* species when incorporated into PALCAM Agar. The ceftazidime concentration of 8-mg/L has demonstrated improved growth and recovery of *Listeria* species.

## Active Ingredients per 10-mL Vial (Each vial prepares 5-L of media)

Ceftazidime ..... 40.0 mg

## Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Difco	PALCAM Medium Base	263610 / 263620

## Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 10.0-mL of cool, sterile purified water to the vial.
2. Mix vial gently until supplement is completely dissolved.

## Recommended Procedure for Media Preparation

1. Suspend 68.0-g of PALCAM Agar Base in 1-L of purified water.
2. Mix with heat to a gentle boil.
3. Autoclave medium at 121°C for 15 minutes.
4. Cool medium to 45 to 50°C in a water bath.
5. Mix supplement well before adding; aseptically pipette and add 2.0-mL of PALCAM Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile petri dishes.
7. Allow medium to set on a cool, level surface.

## Quality Control

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 35°C for 18 to 48 hours.

<b>Organism</b>	<b>Expected Results</b>
<i>Listeria monocytogenes</i> ATCC 19114	Growth
<i>Escherichia coli</i> ATCC 25922	Inhibition
<i>Staphylococcus aureus</i> ATCC 25923	Inhibition

### **Storage and Shelf Life**

The lyophilized supplement has a shelf life of 104 weeks (2 years) from the date of manufacture when stored at 4 to 8°C.

Original: December 2004 Updated: December 2004 Checked: January 2014